

Term	Symbol	Vector Scalar	UNITS
distance	d	S	<u>m</u> or km
displacement	x	V	<u>m</u> or km
speed	s	S	<u>m/s</u> or $\frac{\text{km}}{\text{hr}}$
velocity	v	V	$\frac{\text{m}}{\text{s}}$ or $\frac{\text{km}}{\text{hr}}$
acceleration	a	V	$\frac{\text{m}}{\text{s}^2}$



$$d_{\overline{AB}} = 9m$$

$$d_{\overline{BC}} = 6m$$

$$d_{\overline{CD}} = 9m$$

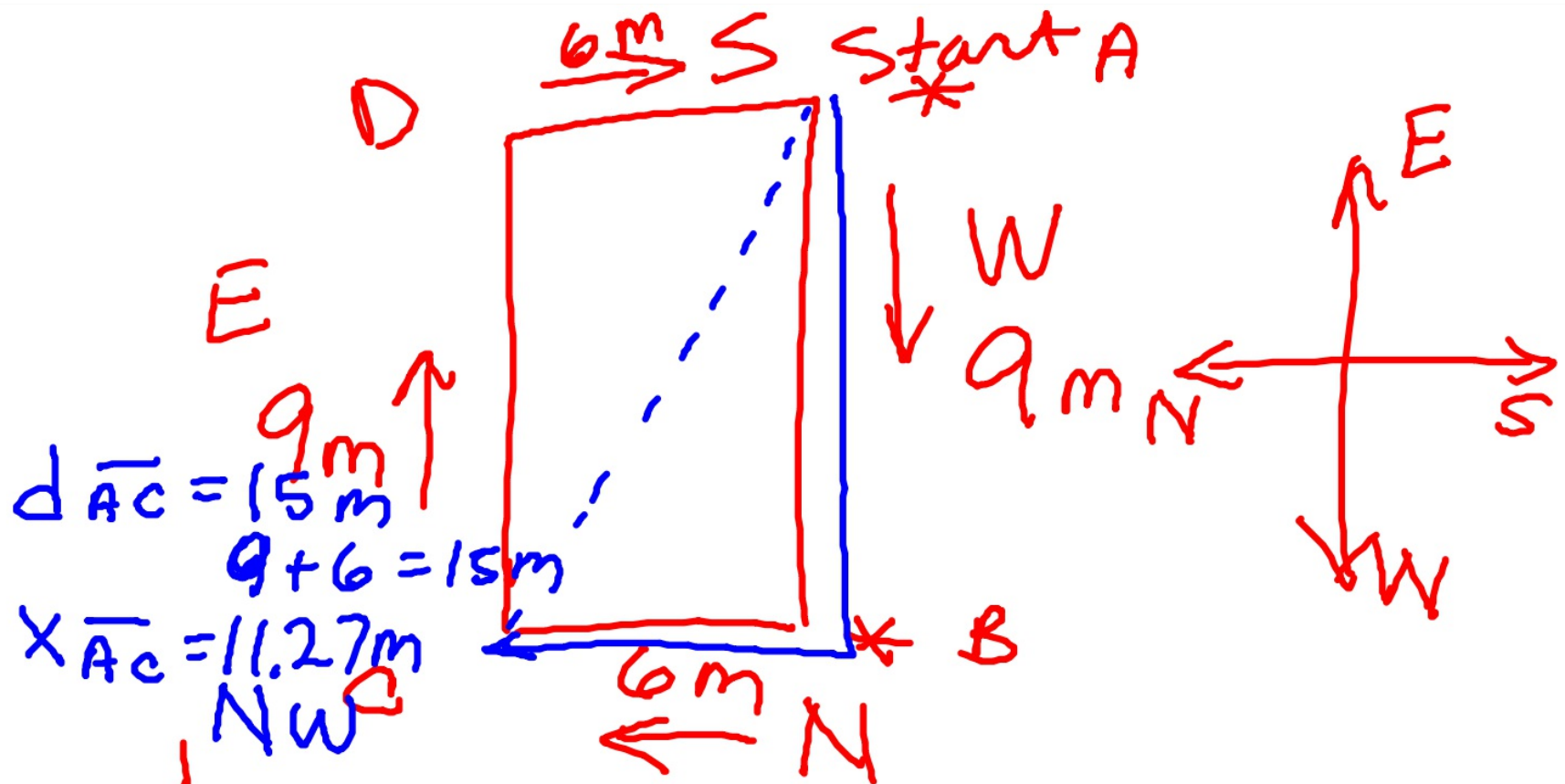
$$d_{\overline{DA}} = 6m$$

$$X_{\overline{AB}} = 9m \text{ West}$$

$$X_{\overline{BC}} = 6m \text{ N}$$

$$X_{\overline{CD}} = 9m \text{ East}$$

$$X_{\overline{DA}} = 6m \text{ S}$$



$$d_{AB} = 9m$$

$$d_{BC} = 6m$$

$$d_{CD} = 9m$$

$$d_{DA} = 6m$$

$$X_{AB} = 9m \text{ West}$$

$$X_{BC} = 6m \text{ N}$$

$$X_{CD} = 9m \text{ East}$$

$$X_{DA} = 6m \text{ S}$$

Ave Speed $\frac{d}{t}$

the rate that I
travelled a particular
Distance.

Ave speed = average over a
particular distance

Instantaneous speed = speed at
a particular instant

A - B (m)d	ERIC t (s)	s (m/s)
9m	10.19s	
9m	9s	
9m	8.07s	
9m	6.22s	
9m	6.41s	
9m	6.75s	
9m	5.87s	

B-C	mike
d (m)	t (s)
6 m	4.81s
6 m	5.72
6 m	4.68
6 m	5.00
6 m	4.25
6 m	4.96
6 m	4.75
6 m	4.72
6 m	4.60

C-D

SKYLER

d(m)

t(s)

9m

8.5

9m

8.28

9m

8.25

9m

8.34

9m

6.46

9m

7.22

9m

7.31

9m

6.91

9m

7.13